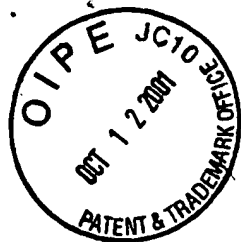


Sector #5



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ryoji Asada, et al.

: Art Unit:

Serial No.: 09/880/297

: Examiner::

Filed: June 13, 2001

:

FOR: CCD IMAGING APPARATUS

4. Pre X
Hoot

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

S I R :

Prior to examination of this application, please amend the claims as follows:

IN THE CLAIMS:

Please replace claims 1, 3-12, 14-17, 19-24 with the following amended claims:

-
- 1 1. (Amended) A charge coupled device (CCD) imaging
2 apparatus comprising:
- 3 a CCD operable in a progressive scanning mode;
- 4 a drive pulse switching circuit for generating a CCD read pulse at a
5 first frame rate, and for generating a CCD drive pulse at a second frame rate
6 being $n/2$ times the first frame rate, n being an integer;
- 7 a CCD driver for driving said CCD;
- 8 a frame memory for storing an output signal of said CCD in one frame
9 after the CCD read pulse, and for reading out the stored output signal of said
10 CCD $n/2$ times; and